

# Operation Manual

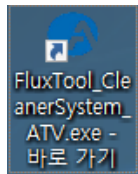
## Flux-tool cleaning system

PC Software

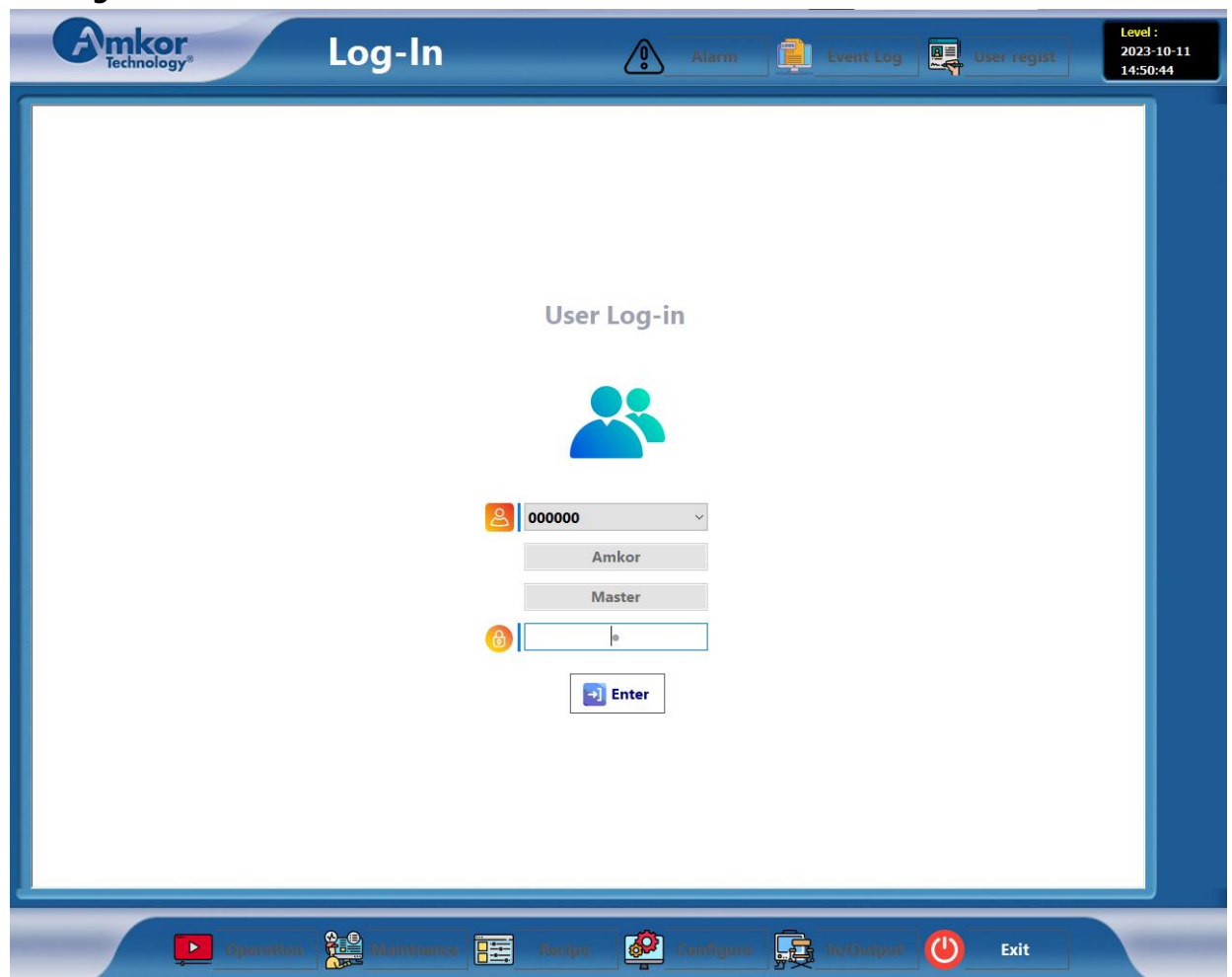
Production : ATK5 EE  
S/W Engineer : Hyun-su Park

## 1. Run a program

Double-click the FluxTool\_CleanerSystem\_ATV.exe icon on the desktop to run it



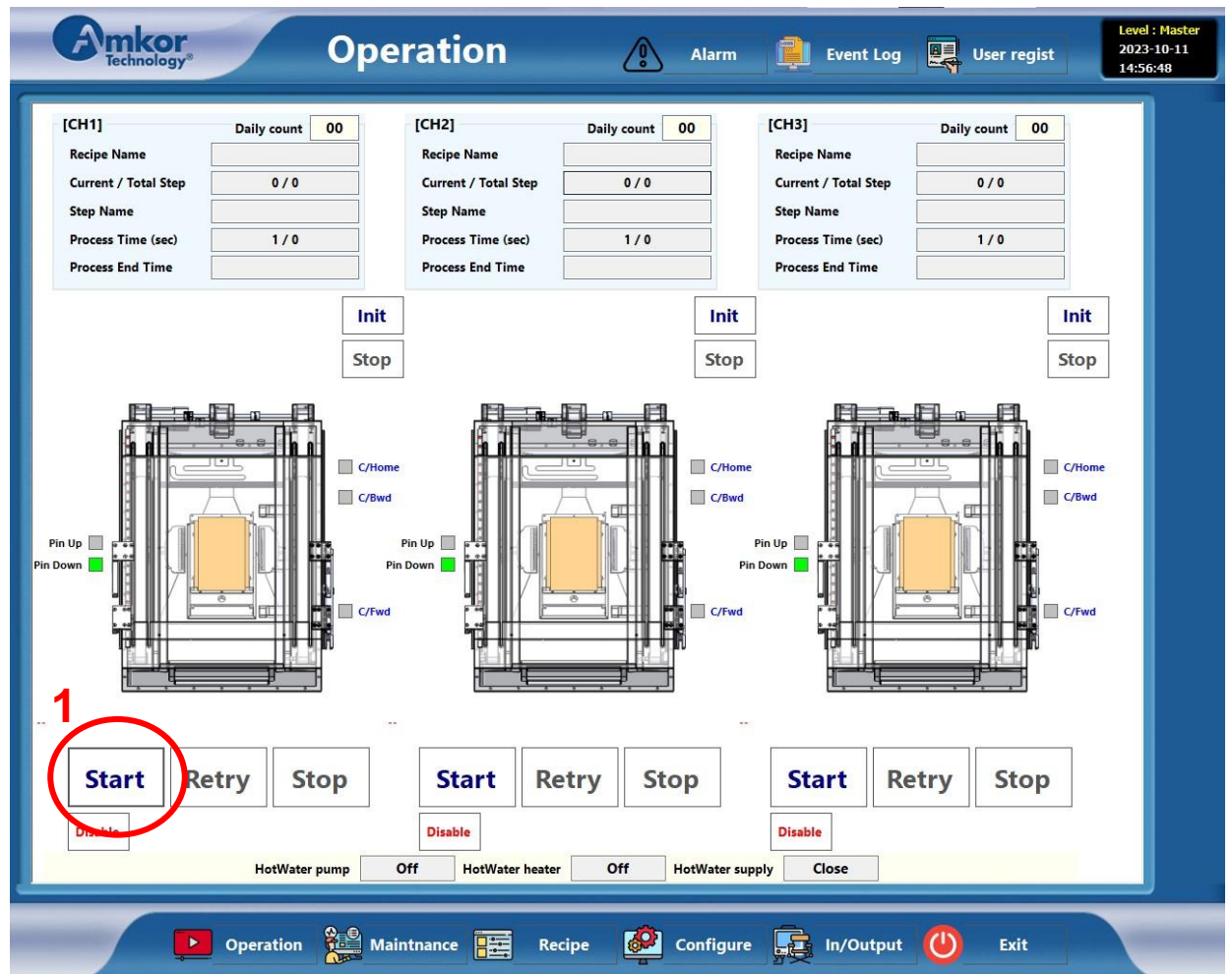
## 2. Log-in



Log in after entering ID and password

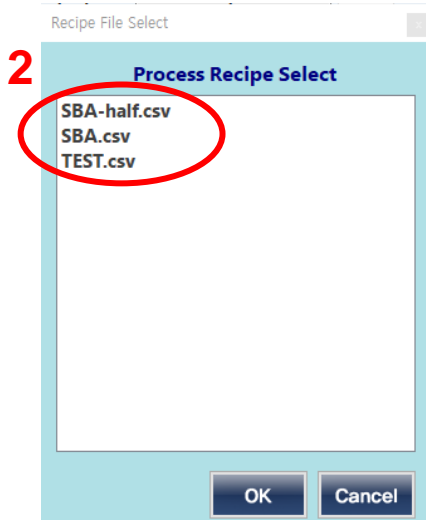
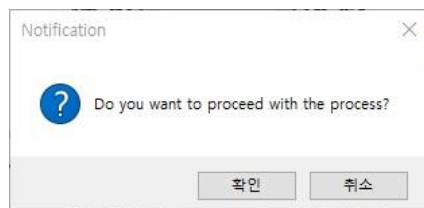
- Default ID : 000000
- Default Password : 1

### 3. Operation



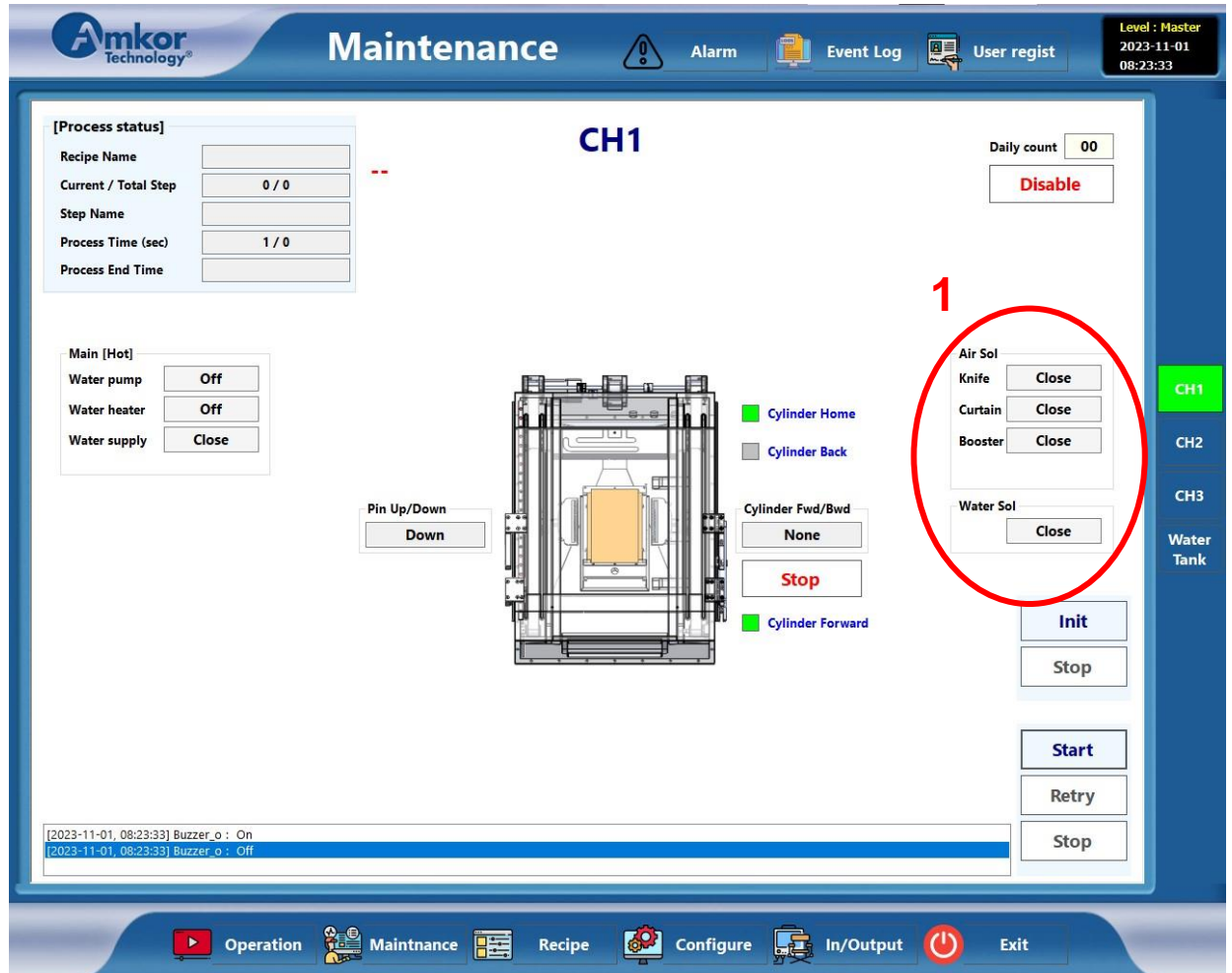
(1) Close the front door of the equipment and press the start button

If the following window opens, press the check button



- (2) Select the Recipe file and press the OK button
  - (3) If you want to stop the process, press the stop button
- Ch1, Ch2, Ch3 The same GUI and SEQ

#### 4. Maintenance



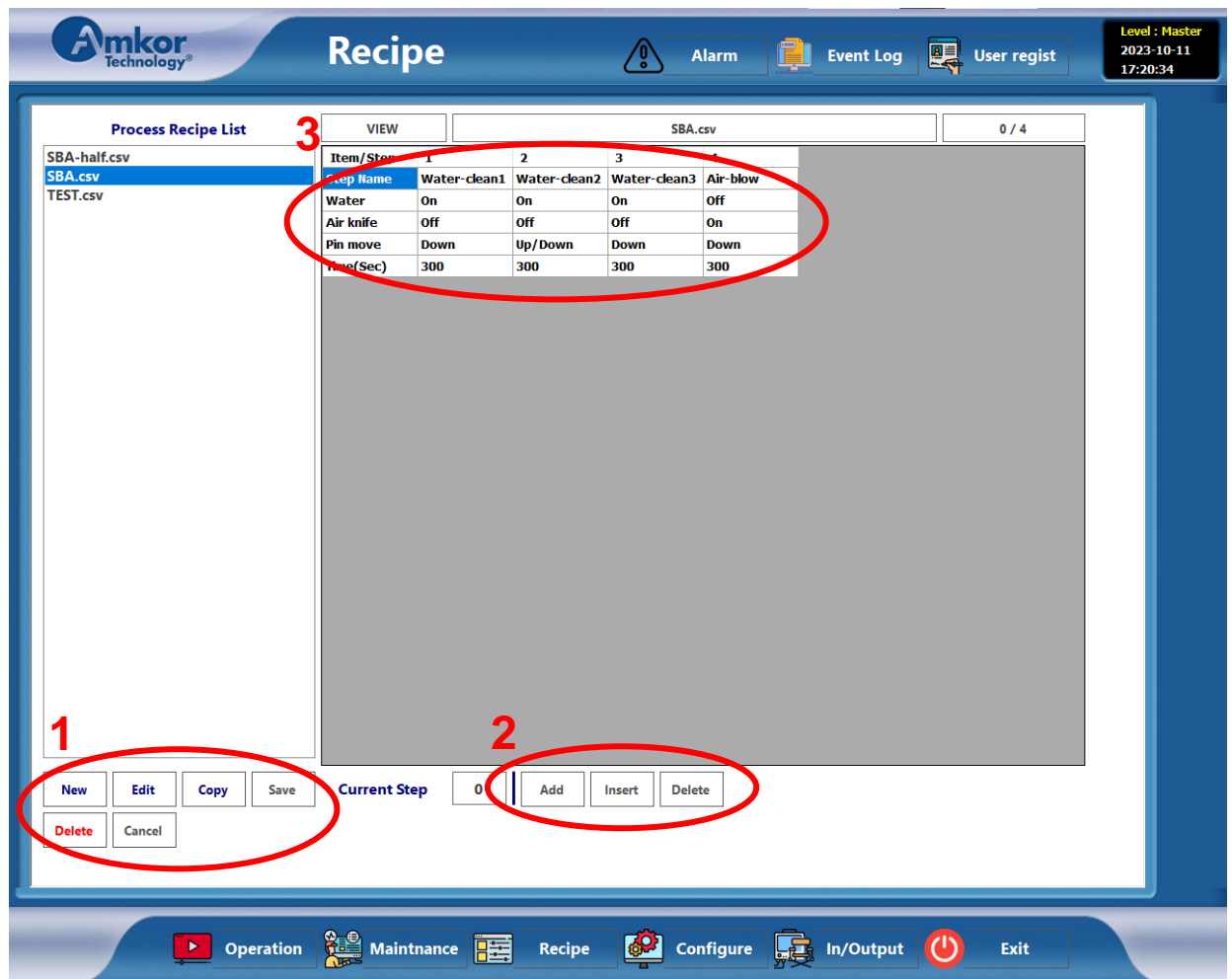
If you press the Maintenance button, you will see the screen above

The process can be carried out the same as the "Operation" screen

- (1) Individual I/O operations are possible

However, it is impossible to operate during the process

## 5. Recipe



- (1) New / Edit / Copy / Save / Delete / Cancel button
  - New : Create a new Recipe file
  - Edit : Modifying Recipe Content
  - Copy : Copy Recipe File
  - Save : Create or modify Recipe and save it as a file (csv file)
  - Delete : Delete Recipe File
  - Cancel : Cancel creating or modifying Recipe
- (2) Add / Insert / Delete
  - Ability to add, insert, or delete each step in Recipe
  -
- One recipe can be created up to 50 steps in total
- (3) Recipe Item
  - Water : Whether to use water
  - Air knife : Whether to use dry air
  - Pin move : Whether to use pin
    - 1) Up : Keep Pin up
    - 2) Down : Keep Pin down
    - 3) Up/Down : Repeat Pin up/down every 3 seconds

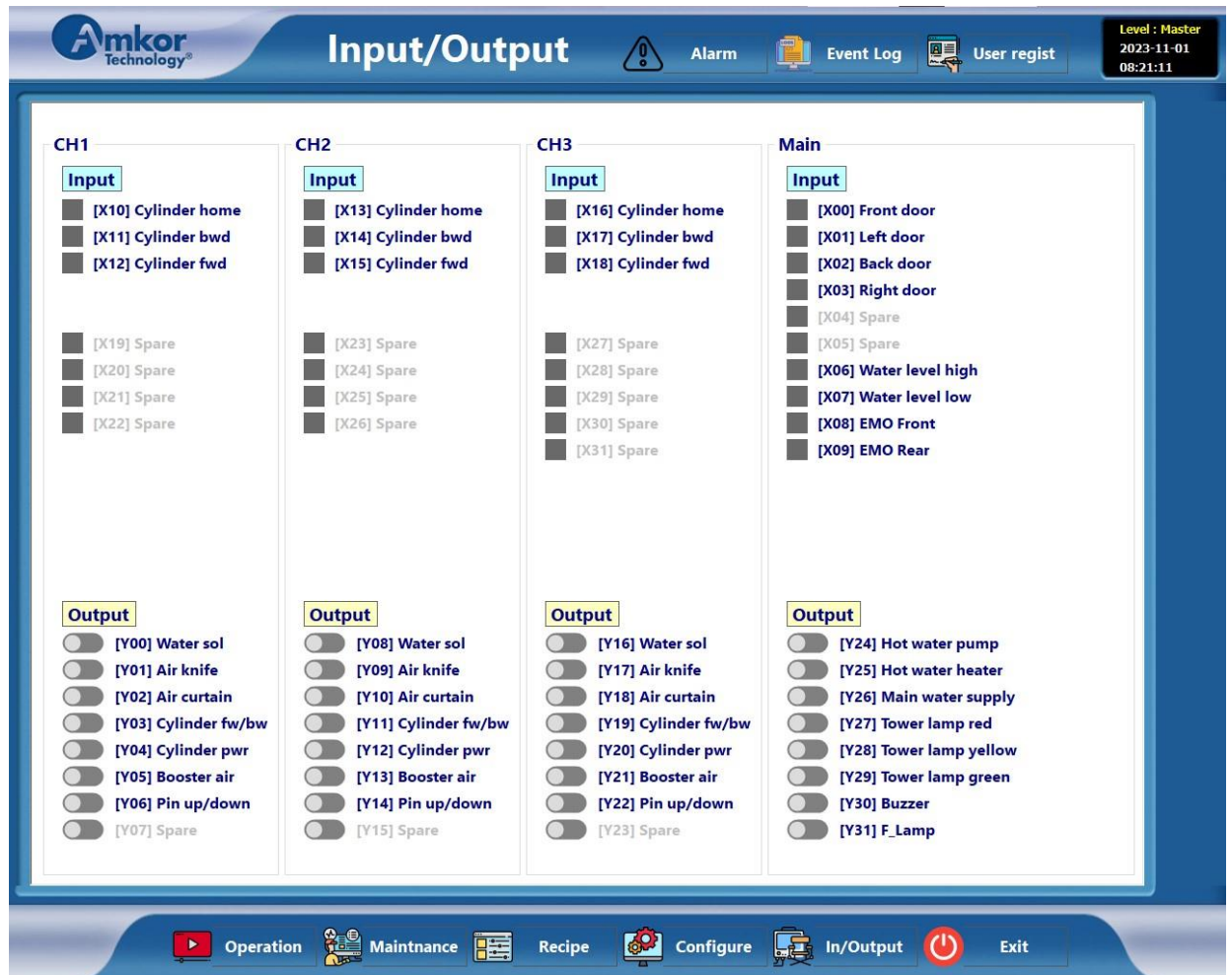
- Time : Each step process time (sec)

## 6. Configure

The screenshot shows the 'Configure' window of the Amkor Technology software. The window has a blue header bar with the Amkor Technology logo on the left, the title 'Configure' in the center, and three buttons (Alarm, Event Log, User regist) on the right. A status bar in the top right corner displays 'Level : Master', '2023-10-31', and '17:38:02'. The main content area is white and contains a configuration box titled '< Time out >'. Inside this box, the label 'Cylinder fwd/bwd time out' is followed by a text input field containing the value '10' and the unit 'Sec'. A 'Save' button is located at the bottom right of the configuration box. The bottom of the window features a blue bar with several icons and labels: 'Operation', 'Maintenance', 'Recipe', 'Configure' (highlighted), 'In/Output', and 'Exit'.

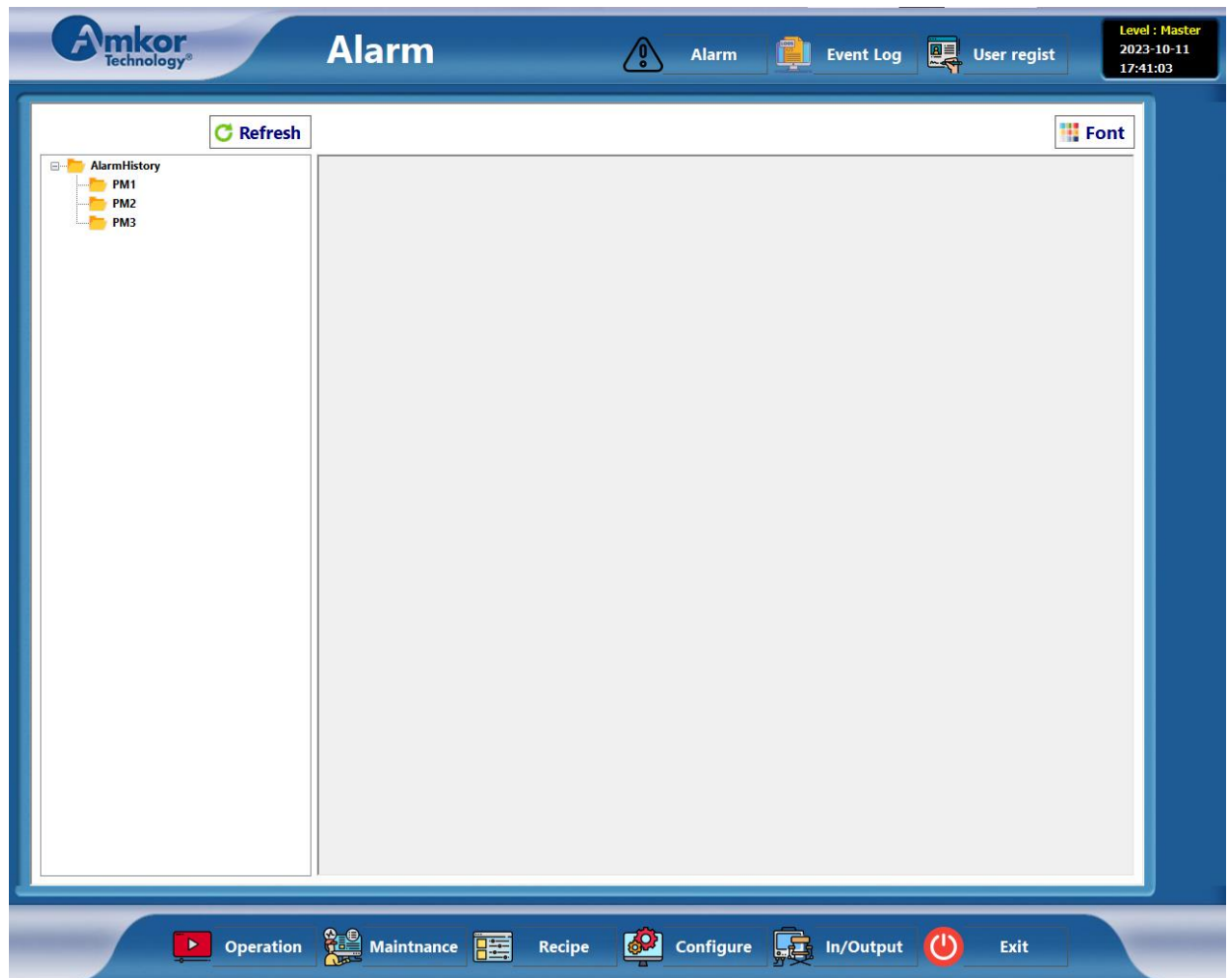
Cylinder fwd/bwd time out : Alarm if it does not operate within the set time when moving the cylinder

## 7. In/Output



Check I/O control and status

## 8. Alarm



Alarm history by channel

- Alarm list
  - (1) **Code. 1002** : Failed to read recipe file
    - Alarm when the Recipe file fails to be loaded during the process
  - (2) **Code. 1005** : Cylinder forward time out
    - Alarm if cylinder operation fails to reach forward position within set time
  - (3) **Code. 1006** : Cylinder backward time out
    - Alarm if cylinder operation fails to reach backward position within set time
  - (4) **Code. 1007** : Cylinder home time out
    - Alarm if cylinder operation fails to reach home position within set time



9. Event Log

Amkor Technology

Event Log

Alarm

Event Log

User regist

Level : Master  
2023-10-11  
17:43:38

Refresh

Font

EventLog

PM1

2023

09

10

11.txt

PM2

PM3

TEMP

WATERTANK

[2023-10-11, 14:45:40] CH1\_WaterValve.o : Off

[2023-10-11, 14:45:40] CH1\_Air\_Knife.o : Off

[2023-10-11, 14:45:40] CH1\_Curtain\_AirValve.o : Off

[2023-10-11, 14:45:40] Hot\_Water\_Pump.o : Off

[2023-10-11, 14:45:40] Hot\_WaterHeater.o : Off

[2023-10-11, 14:45:40] Main\_Water\_Supply : Off

[2023-10-11, 14:45:40] Buzzer.o : On

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Operation

Maintnace

Recipe

Configure

In/Output

Exit

Event history by channel (year/month/date)

## 10. User regist

ID	Name	Level	Password
1	Amkor	Master	*

**User Regist**

Employee number

Name

Authority

Password

**User edit**

Employee number

Name

Authority

**User delete**

Employee number

Authority

**Navigation Bar:** Operation, Maintenance, Recipe, Configure, In/Output, Exit

New User registration and modify, delete function

- User regist
  - Employee number : Employee number or unique numbers
  - Name : Name
  - Authority : Setting permissions (screen access permission)
  - Password : Password
- User edit
  - Modify existing registered user information
- User delete
  - Delete registered users

